Performance Data Sheet

VSC5547ENA

General Information

Model	VSC5547ENA	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	18100	17100					
	Watts	2310	2690					
	Amps	11.0	11.7					
	Lb/h	233	229					
-10	Btu/h	19400	18400	17100				
	Watts	2310	2660	3100				
	Amps	11.1	11.9	13.0				
	Lb/h	249	245	237				
-5	Btu/h	21200	20200	18800	17200			
	Watts	2310	2650	3060	3560			
	Amps	11.3	12.0	13.1	14.6			
	Lb/h	270	267	260	247			
0	Btu/h	23500	22300	21000	19300	17200		
	Watts	2310	2640	3020	3500	4090		
	Amps	11.4	12.1	13.1	14.6	16.5		
	Lb/h	297	294	288	277	258		
5	Btu/h	26200	24900	23500	21900	19800		
	Watts	2310	2630	3000	3450	4000		
	Amps	11.5	12.1	13.2	14.6	16.5		
	Lb/h	329	326	321	311	295		
10	Btu/h	29300	27900	26400	24800	22700	20100	16900
	Watts	2310	2620	2980	3410	3930	4580	5370
	Amps	11.5	12.2	13.2	14.6	16.5	18.8	21.5
	Lb/h	366	363	358	349	335	313	281
15	Btu/h	32800	31300	29700	28000	25900	23400	20200
	Watts	2300	2610	2960	3370	3870	4490	5240
	Amps	11.6	12.2	13.2	14.6	16.4	18.7	21.4
	Lb/h	408	404	399	391	379	360	331
20	Btu/h	36800	35000	33300	31500	29400	26900	23800
	Watts	2280	2600	2950	3350	3830	4410	5120
	Amps	11.6	12.2	13.2	14.6	16.4	18.7	21.3
	Lb/h	454	449	444	437	426	409	384

25	Btu/h	41100	39100	37200	35300	33100	30600	27600
	Watts	2250	2580	2930	3330	3790	4350	5030
	Amps	11.6	12.2	13.2	14.6	16.4	18.6	21.3
	Lb/h	504	498	493	487	477	462	440
30	Btu/h	45700	43500	41500	39400	37100	34500	31500
	Watts	2210	2560	2920	3310	3760	4300	4950
	Amps	11.6	12.2	13.2	14.6	16.4	18.6	21.2
	Lb/h	558	551	545	539	531	518	498
35	Btu/h	50700	48300	46000	43700	41300	38700	35600
	Watts	2160	2530	2900	3300	3740	4270	4890
	Amps	11.6	12.2	13.2	14.6	16.4	18.6	21.2
	Lb/h	616	607	601	595	587	576	558
40	Btu/h	56100	53300	50800	48300	45700	43000	39900
	Watts	2090	2490	2880	3280	3730	4240	4840
	Amps	11.6	12.2	13.2	14.6	16.4	18.6	21.2
	Lb/h	677	666	659	653	646	636	620
45	Btu/h	61800	58600	55800	53100	50400	47500	44300
	Watts	2010	2440	2850	3260	3720	4220	4810
	Amps	11.5	12.2	13.2	14.6	16.4	18.6	21.2
	Lb/h	742	729	720	713	707	698	684
50	Btu/h	67700	64200	61100	58100	55200	52200	48900
	Watts	1900	2370	2810	3240	3700	4210	4790
	Amps	11.5	12.2	13.2	14.6	16.4	18.6	21.3
	Lb/h	810	794	784	776	770	762	750
55	Btu/h	74000	70100	66600	63300	60200	57000	53600
	Watts	1780	2290	2760	3220	3690	4200	4780
	Amps	11.4	12.1	13.2	14.6	16.5	18.7	21.3
	Lb/h	880	862	850	841	835	827	817

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.312723E+04	-8.609930E+02	1.791447E+01	4.755344E+02
C2	1.004733E+03	-4.978161E+01	4.011680E-02	1.165698E+01
C3	-5.333703E+02	7.629225E+01	-1.948500E-01	-6.537444E+00
C4	1.346655E+01	-8.415022E-01	-1.363333E-03	1.427262E-01
C5	-1.044812E+01	1.366625E+00	3.525499E-05	-1.361923E-01
C6	5.500316E+00	-7.887739E-01	1.182538E-03	8.274110E-02
C7	-2.165054E-02	-2.517771E-03	2.273080E-06	-3.218881E-04
C8	-5.738405E-02	9.989405E-03	1.107142E-05	-4.948381E-04
C9	5.095916E-02	-9.275609E-03	-3.534903E-06	8.021356E-04
C10	-2.379220E-02	4.141424E-03	2.883685E-06	-3.611785E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature